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3	37	Ungerboeck and Euclidean and partial and complex	USPAT
4	8	Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch	USPAT
5	2	(Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical	USPAT
6	2	partial adj ungerboeck	USPAT
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18	1	"5440588".pn.	USPAT
19	32	Ungerboeck and Euclidean and partial and complex and equalizer	USPAT
20	2	(((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and complex and multiply	USPAT

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25	6	"5673294".URPN.	USPAT
26	11	("5081651" | "5146475" | "5204878" | "5251233" | "5272726" | "5272727" | "5285480" | "5303263" | "5325402" | "5353307" | "5479419").PN.	USPAT
27	0	(375/224.ccls. or 375/229.ccls. or 375/230.ccls. or 375/231.ccls. or 375/232.ccls. or 375/233.ccls. or 375/235.ccls.) and ((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 estimation)) and (branch adj metric) and complex and (demodulate or de-modulate) and equalize and coefficient and Ungerboeck and Euclidean and partial)	USPAT

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29	2	"5481572".pn. or "5680419".pn.	USPAT
30	39	("4644562" | "4713817" | "4992798" | "5031193" | "5048059" | "5155744" | "5164961" | "5191598" | "5319677" | "5351274" | "5440590" | "5481572" | "5530725").PN. OR ("5680419").URPN.	US-PGPUB; USPAT; USOCR
31	39	("4644562" | "4992798" | "5031193" | "5048059" | "5164961" | "5191598" | "5202903" | "5303263").PN. OR ("5481572").URPN.	US-PGPUB; USPAT; USOCR
32	68	S32 or S33	US-PGPUB; USPAT; USOCR

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33	101	((mlse or (max$7 near1 (likel$7) near1 sequenc$7 near1 (estimat$7)) with ((equaliz$7))) and (branch$7 adj metric$7) and complex$7 and (de$1modulat$7 or receiv$7 or recep$7) and (coefficient$7 or channel$7)) and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB
34	11	S30 and S35	USPAT; EPO; JPO; DERWENT; IBM_TDB
35	37	S35 not S36	USPAT; EPO; JPO; DERWENT; IBM_TDB
36	90	S30 not S34	USPAT; EPO; JPO; DERWENT; IBM_TDB
37	48	S34 and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB
38	39	(pre$1comput$7 near7 branch$7) and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB
39	90	(complex$7 near2 channel$7 near2 estimat$7) and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB
40	111	(complex$7 near2 channel$7 near2 (estimat$7 or coefficient$7)) and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB
41	0	(complex$7 near2 channel$7 near2 (estimat$7 or coefficient$7)) and (non$1linear near2 mlse) and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB

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42	4	(complex$7 near2 channel$7 near2 (estimat$7 or coefficient$7)) and (non$1linear$7 same mlse) and @ad<"19990126"	USPAT; EPO; JPO; DERWENT; IBM_TDB
43	0	(375/224.ccls. or 375/229.ccls. or 375/230.ccls. or 375/231.ccls. or 375/232.ccls. or 375/233.ccls. or 375/235.ccls.) and ((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 estimation)) and (branch adj metric) and complex and (demodulate or de-modulate) and equalize and coefficient and Ungerboeck and Euclidean and partial)	USPAT
44	0	(375/224.ccls. or 375/229.ccls. or 375/230.ccls. or 375/231.ccls. or 375/232.ccls. or 375/233.ccls. or 375/235.ccls. or 375/341.ccls. or 375/340.ccls. or 375/316.ccls. or 455/130.ccls. or 329/304.ccls. or 370/310.ccls.) and ((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 estimation)) and (branch adj metric) and complex and (demodulate or de-modulate) and equalize and coefficient and Ungerboeck and Euclidean and partial)	USPAT

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Chevillat, P.; Ungerboeck, G.;
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☐ 3. **Adaptive Maximum-Likelihood Receiver for Carrier-Modulated Data-Transmission Systems**
Ungerboeck, G.;
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Calderbank, A.; Mazo, J.;
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                                                          Kubo, H.; Murakami, K.; Fujino, T.;
IEEE STD   IEEE Standard   Universal Personal Communications, 1998. ICUPC '98. IEEE 1998 International Conference on
                                                          Volume 2, 5-9 Oct. 1998 Page(s):1209 - 1213 vol.2
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                                                ☐   2. **Extended MLSE receiver for the frequency-flat, fast-fading channel**
                                                          Hart, B.D.; Taylor, D.P.;
                                                          Vehicular Technology, IEEE Transactions on
                                                          Volume 46, Issue 2, May 1997 Page(s):381 - 389
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Inventor Information for 09/237356

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ZANGI, KAMBIZ	RALEIGH	NORTH CAROLINA
BOTTOMLEY, GREGORY E.	CARY	NORTH CAROLINA

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
07346760	5020056	150	05/02/1989	REDUCTION OF SYNCHRONOUS FADING EFFECTS BY TIME HOPPING OF USER SLOTS IN TDMA FRAMES	CHENNAKESHU, SANDEEP
07703516	5151926	150	05/21/1991	SAMPLE TIMING AND CARRIER FREQUENCY ESTIMATION CIRCUIT FOR SINE-COSINE DETECTORS	CHENNAKESHU, SANDEEP
07703517	5202901	150	05/21/1991	DIGITAL DISCRIMINATOR FOR PULSE SHAPED PI/4 SHIFTED DIFFERENTIALLY ENCODED QUADRATURE PHASE SHIFT KEYING	CHENNAKESHU, SANDEEP
07703637	5283815	250	05/21/1991	TANGENTAL TYPE DIFFERENTIAL DETECTOR FOR PULSE SHAPED PI/4 SHIFTED DIFFERENTIALLY ENCODED QUADRATURE PHASE SHIFT KEYING	CHENNAKESHU, SANDEEP
07724280	5349589	150	07/01/1991	GENERALIZED VITERBI ALGORITHM WITH TAIL-BITING	CHENNAKESHU, SANDEEP
07753578	5285480	150	09/03/1991	ADAPTIVE MLSE-VA RECEIVER FOR DIGITAL CELLULAR RADIO	CHENNAKESHU, SANDEEP
07753579	5249205	150	09/03/1991	ORDER RECURSIVE LATTICE DECISION FEEDBACK EQUALIZATION FOR DIGITAL CELLULAR RADIO	CHENNAKESHU, SANDEEP
07754105	5283811	150	09/03/1991	DECISION FEEDBACK EQUALIZATION FOR DIGITAL CELLULAR RADIO	CHENNAKESHU, SANDEEP
07754108	5177740	150	09/03/1991	FRAME/SLOT	CHENNAKESHU,

				SYNCHRONIZATION FOR U.S. DIGITAL CELLULAR TDMA RADIO TELEPHONE SYSTEM	SANDEEP
07754471	Not Issued	166	09/03/1991	AUTOMATIC SIMULCAST ALIGNMENT	CHENNAKESHU, SANDEEP
07898670	5311552	150	06/15/1992	TRELLIS CODING TECHNIQUE TO IMPROVE ADJACENT CHANNEL INTERFERENCE PROTECTION RATIO IN LAND MOBILE RADIO SYSTEMS	CHENNAKESHU, SANDEEP
07939747	5363407	150	09/02/1992	TRANSMITTER OPTIMIZATION FOR SPECTRALLY CONGESTED RADIO COMMUNICATION SYSTEMS	CHENNAKESHU, SANDEEP
07965848	5335250	150	10/22/1992	A METHOD AND APPARATUS FOR BIDIRECTIONAL DEMODULATION OF DIGITALLY MODULATED SIGNALS	CHENNAKESHU, SANDEEP
07975201	5311553	150	06/15/1992	TRELLIS CODING TECHNIQUE TO INCREASE ADJACENT CHANNEL INTERFERENCE PROTECTION RATIO IN LAND MOBILE RADIO SYSTEMS UNDER PEAK POWER CONSTRAINTS	CHENNAKESHU, SANDEEP
08028016	5343498	150	03/08/1993	SAMPLE TIMING SELECTION AND FREQUENCY OFFSET CORRECTION FOR U.S. DIGITAL CELLULAR MOBILE RECEIVERS	CHENNAKESHU, SANDEEP
08039599	5400362	150	03/29/1993	DOUBLE SIDED SLOT TRAVERSING DECODING FOR TIME DIVISION MULTIPLE ACCESS (TDMA) RADIO SYSTEMS	CHENNAKESHU, SANDEEP
08095367	5353307	250	07/20/1993	AUTOMATIC SIMULCAST ALIGNMENT	CHENNAKESHU, SANDEEP
08109553	5465271	150	08/20/1993	POST DETECTION WEIGHTED VECTOR COMBINING DIVERSITY	CHENNAKESHU, SANDEEP

				RECEIVERS USING PHASE METRICS FOR MOBILE AND INDOOR RADIO CHANNELS	
08109554	5406593	150	08/20/1993	ADAPTIVE PHASE-LOCKED LOOP EMPLOYING CHANNEL STATE INFORMATION ESTIMATION FROM RECEIVED SIGNAL PHASE ANGLES	CHENNAKESHU, SANDEEP
08109555	Not Issued	168	08/20/1993	CHANNEL STATE INFORMATION ESTIMATION FROM RECEIVED SIGNAL PHASE ANGLES	CHENNAKESHU, SANDEEP
08109556	5351274	150	08/20/1993	POST DETECTION SELECTION COMBINING DIVERSITY RECEIVERS FOR MOBILE AND INDOOR RADIO CHANNELS	CHENNAKESHU, SANDEEP
08143011	5371471	150	10/29/1993	LOW COMPLEXITY ADAPTIVE EQUALIZER RADIO RECEIVER EMPLOYING DIRECT REFERENCE STATE UPDATES	CHENNAKESHU, SANDEEP
08143027	5488635	150	10/29/1993	LOW COMPLEXITY ADAPTIVE EQUALIZER RADIO RECEIVER EMPLOYING REDUCED COMPLEXITY BRANCH METRIC CALCULATION	CHENNAKESHU, SANDEEP
08143028	5467374	150	10/29/1993	LOW COMPLEXITY ADAPTIVE EQUALIZER FOR U.S. DIGITAL CELLULAR RADIO RECEIVERS	CHENNAKESHU, SANDEEP
08222049	Not Issued	161	04/04/1994	PRE-DETECTION SELECTION DIVERSITY TECHNIQUE FOR MOBILE COMMUNICATIONS RECEIVERS IN FREQUENCY SELECTIVE FADING	CHENNAKESHU, SANDEEP
08274727	5577068	150	07/18/1994	GENERALIZED DIRECT UPDATE VITERBI EQUALIZER	CHENNAKESHU, SANDEEP
08376144	5604806	150	01/20/1995	APPARATUS AND METHOD FOR SECURE RADIO COMMUNICATION	CHENNAKESHU, SANDEEP
08484750	5691980	150	06/07/1995	LOCAL COMMUNICATION NETWORK FOR POWER	CHENNAKESHU, SANDEEP

				REDUCTION AND ENHANCED RELIABILITY IN A MULTIPLE NODE TRACKING SYSTEM	
08555968	5995533	150	11/13/1995	APPARATUS AND METHOD FOR GENERATING PSEUDORANDOM QUANTITIES BASED UPON RADIO CHANNEL CHARACTERISTICS	CHENNAKESHU, SANDEEP
08559692	6046990	150	11/15/1995	HIGH-PENETRATION TRANSMISSION METHOD FOR A RADIOCOMMUNICATION SYSTEM	CHENNAKESHU, SANDEEP
08574141	5661724	150	12/18/1995	SATELLITE DIVERSITY SCHEME	CHENNAKESHU, SANDEEP
08578945	Not Issued	161	12/27/1995	HIGH POWER SHORT MESSAGE SERVICE USING TDMA FRAMES	CHENNAKESHU, SANDEEP
08579015	5822310	150	12/27/1995	HIGH POWER SHORT MESSAGE SERVICE USING BROADCAST CONTROL CHANNEL	CHENNAKESHU, SANDEEP
08579349	5905742	150	12/27/1995	METHOD AND APPARATUS FOR SYMBOL DECODING	CHENNAKESHU, SANDEEP
08588507	6314081	150	01/18/1996	HIGH POWER SHORT MESSAGE SERVICE USING DEDICATED CARRIER FREQUENCY	CHENNAKESHU, SANDEEP
08625312	5752204	150	04/01/1996	ANTENNA ASSEMBLY FOR RADIOTELEPHONIC DEVICE	CHENNAKESHU, SANDEEP
08625754	6091936	150	03/29/1996	METHOD AND APPARATUS FOR REDUCING CO-CHANNEL INTERFERERNCE	CHENNAKESHU, SANDEEP
08626182	5918174	150	03/29/1996	CIRCUITRY AND METHOD FOR INITIATING COMMUNICATION BETWEEN COMMUNICATION STATIONS OF A RADIO COMMUNICATION SYSTEM	CHENNAKESHU, SANDEEP
08646431	5930718	150	05/07/1996	APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING A SIGNALING	CHENNAKESHU, SANDEEP

				MESSAGE IN A COMMUNICATION SYSTEM	
08647188	6035178	150	05/09/1996	SATELLITE COMMUNICATION SYSTEM FOR LOCAL-AREA COVERAGE	CHENNAKESHU, SANDEEP
08665339	5745578	150	06/17/1996	APPARATUS AND METHOD FOR SECURE COMMUNICATION BASED ON CHANNEL CHARACTERISTICS	CHENNAKESHU, SANDEEP
08681916	5809141	150	07/30/1996	METHOD AND APPARATUS FOR ENABLING MOBILE-TO-MOBILE CALLS IN A COMMUNICATION SYSTEM	CHENNAKESHU, SANDEEP
08728158	5838267	150	10/09/1996	METHOD AND APPARATUS FOR ENCODING AND DECODING DIGITAL INFORMATION	CHENNAKESHU, SANDEEP
08729090	5835480	150	10/15/1996	CIRCUITRY AND METHOD FOR SIMULTANEOUSLY TRANSMITTING VOICE AND DATA INFORMATION	CHENNAKESHU, SANDEEP
08748755	6005887	150	11/14/1996	DESPREADING OF DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATIONS SIGNALS	CHENNAKESHU, SANDEEP
08761003	5909465	150	12/05/1996	METHOD AND APPARATUS FOR BIDIRECTIONAL DEMODULATION OF DIGITALLY MODULATED SIGNALS	CHENNAKESHU, SANDEEP
08764672	5933763	150	12/11/1996	CIRCUITRY AND METHOD FOR IMPROVED SIGNAL RECEPTION ACKNOWLEDGMENT IN A RADIO COMMUNICATION SYSTEM	CHENNAKESHU, SANDEEP
08768319	6034987	150	12/17/1996	SYSTEM FOR IMPROVING THE QUALITY OF A RECEIVED RADIO SIGNAL	CHENNAKESHU, SANDEEP
08768530	5968199	150	12/18/1996	HIGH PERFORMANCE ERROR CONTROL DECODER	CHENNAKESHU, SANDEEP
08773560	6335954	150	12/27/1996	METHOD AND APPARATUS FOR JOINT	CHENNAKESHU, SANDEEP

				SYNCHRONIZATION OF MULTIPLE RECEIVE CHANNELS	

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
08921184	5999573	150	08/29/1997	"WIDEBAND CHANNELIZATION WITH VARIABLE SAMPLING FREQUENCY"	ZANGI, KAMBIZ
08950690	6070078	150	10/15/1997	REDUCED GLOBAL POSITIONING SYSTEM RECEIVER CODE SHIFT SEARCH SPACE FOR A CELLULAR TELEPHONE SYSTEM	ZANGI, KAMBIZ
09237356	Not Issued	71	01/26/1999	REDUCED COMPLEXITY MLSE EQUALIZER FOR M-ARY MODULATED SIGNALS	ZANGI, KAMBIZ
09378314	6608862	150	08/20/1999	METHOD AND APPARATUS FOR COMPUTING PREFILTER COEFFICIENTS	ZANGI, KAMBIZ
09454577	6597743	150	12/07/1999	REDUCED SEARCH SYMBOL ESTIMATION ALGORITHM	ZANGI, KAMBIZ
09500314	6625236	150	02/08/2000	METHODS AND SYSTEMS FOR DECODING SYMBOLS BY COMBINING MATCHED-FILTERED SAMPLES WITH HARD SYMBOL DECISIONS	ZANGI, KAMBIZ
09711910	6798853	150	11/15/2000	SYSTEM AND METHOD FOR COMPENSATING FOR FREQUENCY OFFSET	ZANGI, KAMBIZ
11275111	Not Issued	19	01/01/0001	USING ANTENNA ARRAYS TO PRODUCE OMNI-DIRECTIONAL TRANSMISSIONS	ZANGI, KAMBIZ
60382697	Not Issued	159	05/21/2002	Method for traffic control in an uncoordinated radio environment	ZANGI, KAMBIZ
60395956	Not	159	07/15/2002	Method for recovering from	ZANGI, KAMBIZ

	Issued			synchronization failure in an uncoordinated radio environment	
60542761	Not Issued	159	02/06/2004	Power control for switch beam antennas in code division multiple access (CDMA) system	ZANGI, KAMBIZ
60543012	Not Issued	159	02/06/2004	Non-real-time measuring of channel quality for subscriber based smart antenna (SBSA)	ZANGI, KAMBIZ
09499977	6707849	150	02/08/2000	METHODS, RECEIVERS AND EQUALIZERS HAVING INCREASED COMPUTATIONAL EFFICIENCY	ZANGI, KAMBIZ C.
09504216	6674820	150	02/15/2000	RECEIVER DEVICES, SYSTEMS AND METHODS FOR RECEIVING COMMUNICATION SIGNALS SUBJECTTO COLORED NOISE	ZANGI, KAMBIZ C.
09630750	6731619	150	08/02/2000	A METHOD AND SYSTEM FOR USING ONE TYPE OF TRANSMIT DIVERSITY IN A FIRST TIME SLOT AND A SECOND TYPE IN AN ADJACENT TIME SLOT	ZANGI, KAMBIZ C.
09638718	6775322	150	08/14/2000	EQUALIZER WITH ADAPTIVE PRE-FILTER	ZANGI, KAMBIZ C.
09853207	6778619	150	05/11/2001	METHODS FOR RECEIVING DIVERSITY TRANSMISSIONS INCLUDING PREFILTERING TO PROVIDE MINIMUM PHASE CHANNEL CHARACTERSTICS AND RELATED RECEIVERS	ZANGI, KAMBIZ C.
10135095	Not Issued	41	04/30/2002	Mobile station loop-back signal processing	ZANGI, KAMBIZ C.
10315615	Not Issued	30	12/10/2002	Method and apparatus for noise reduction	ZANGI, KAMBIZ C.
10367145	6996375	150	02/14/2003	TRANSMIT DIVERSITY AND SEPARATING MULTIPLE LOOPBACK SIGNALS	ZANGI, KAMBIZ C.
10916994	Not Issued	41	08/12/2004	Method and apparatus for noise reduction	ZANGI, KAMBIZ C.
11173137	Not Issued	30	07/01/2005	System and method for adapting a cyclic prefix in an orthogonal frequency division multiplexing	ZANGI, KAMBIZ C.

				(OFDM) system	
60541967	Not Issued	159	02/05/2004	Interaction of handoff and SBSA in CDMA networks	ZANGI, KAMBIZ C.
60724008	Not Issued	20	10/06/2005	Signaling support for antenna selection using subset lists and subset masks	ZANGI, KAMBIZ C.
07802121	5293425	250	12/03/1991	ACTIVE NOISE REDUCING	ZANGI, KAMBIZ C.
08921186	6005900	150	08/29/1997	"WIDEBAND CHANNELIZATION USING SUBSAMPLED DISCRETE FOURIER TRANSFORMS"	ZANGI, KAMBIZ C.
09067602	6198775	150	04/28/1998	TRANSMIT DIVERSITY METHOD, SYSTEMS, AND TERMINALS USING SCRAMBLE CODING	ZANGI, KAMBIZ C.
09334432	6674815	150	06/16/1999	METHOD FOR SYMBOL-SPACED ESTIMATION AND/OR TRACKING OF A FRACTIONALLY-SPACED FADING RADIO CHANNEL	ZANGI, KAMBIZ C.
09450684	6590932	150	11/24/1999	METHODS, RECEIVER DEVICES AND SYSTEMS FOR WHITENING A SIGNAL DISTURBANCE IN A COMMUNICATION SIGNAL	ZANGI, KAMBIZ C.
09706744	6725024	150	11/07/2000	OFFSET LOCAL OSCILLATOR FREQUENCY	ZANGI, KAMBIZ CASEY
10997618	Not Issued	30	11/24/2004	Method and apparatus for utilizing a directional beam antenna in a wireless transmit/receive unit	ZANGI, KAMBIZ CASEY
11018998	Not Issued	25	12/22/2004	Method and apparatus for transmit power control during beam switching	ZANGI, KAMBIZ CASEY
11051024	Not Issued	30	02/04/2005	Method for performing measurements for handoff of a mobile unit operating with a switched beam antenna in a wireless communication system, and corresponding system	ZANGI, KAMBIZ CASEY
11051138	Not Issued	30	02/04/2005	Method for identifying pre-candidate cells for a mobile unit operating with a switched beam antenna in a wireless communication system, and corresponding system	ZANGI, KAMBIZ CASEY

11026296	Not Issued	30	12/30/2004	Method and apparatus for measuring channel quality using a smart antenna in a wireless transmit/receive unit	ZANGI, KAMBIZ CASEY

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Inventor Name Search Result

Your Search was:

Last Name = BOTTOMLEY
First Name = GREGORY E.

Application#	Patent#	Status	Date Filed	Title	Inventor Name
07857433	5237586	150	03/25/1992	RAKE RECEIVER WITH SELECTIVE RAY COMBINING	BOTTOMLEY, GREGORY E.
07866865	5353352	150	04/10/1992	MULTIPLE ACCESS CODING FOR RADIO COMMUNICATIONS	BOTTOMLEY, GREGORY E.
08011228	5392054	150	01/29/1993	DIVERSITY ANTENNA ASSEMBLY FOR PORTABLE RADIOTELEPHONES	BOTTOMLEY, GREGORY E.
08155557	5506861	150	11/22/1993	SYSTEM AND METHOD FOR JOINT DEMODULATION OF CDMA SIGNALS	BOTTOMLEY, GREGORY E.
08187062	5572552	150	01/27/1994	METHOD AND SYSTEM FOR DEMODULATION OF DOWNLINK CDMA SIGNALS	BOTTOMLEY, GREGORY E.
08251202	5499272	150	05/31/1994	DIVERSITY RECEIVER FOR SIGNALS WITH MULTIPATH TIME DISPERSION	BOTTOMLEY, GREGORY E.
08274727	5577068	150	07/18/1994	GENERALIZED DIRECT UPDATE VITERBI EQUALIZER	BOTTOMLEY, GREGORY E.
08284775	5680419	150	08/02/1994	METHOD OF AND APPARATUS FOR INTERFERENCE REJECTION COMBINING IN MULTI-ANTENNA DIGITAL CELLULAR COMMUNICATIONS SYSTEMS	BOTTOMLEY, GREGORY E.
08291693	5550809	150	08/16/1994	MULTIPLE ACCESS CODING USING BENT SEQUENCES FOR MOBILE RADIO COMMUNICATIONS	BOTTOMLEY, GREGORY E.
08292304	6004028	150	08/18/1994	DEVICE AND METHOD FOR	BOTTOMLEY,

				RECEIVING AND RECONSTRUCTING SIGNALS WITH IMPROVED PERCEIVED SIGNAL QUALITY	GREGORY E.
08504339	5677930	150	07/19/1995	METHOD AND APPARATUS FOR SPREAD SPECTRUM CHANNEL ESTIMATION	BOTTOMLEY, GREGORY E.
08507714	5615209	150	07/26/1995	METHOD AND APPARATUS FOR CDMA SIGNAL ORTHOGONALIZATION	BOTTOMLEY, GREGORY E.
08577337	5787131	150	12/22/1995	METHOD AND APPARATUS FOR MITIGATION OF SELF INTERFERENCE USING ARRAY PROCESSING	BOTTOMLEY, GREGORY E.
08625010	5838739	150	03/29/1996	CHANNEL ESTIMATOR CIRCUITRY, AND ASSOCIATED METHOD, FOR A DIGITAL COMMUNICATION SYSTEM	BOTTOMLEY, GREGORY E.
08634229	5774799	150	04/18/1996	AUTOMATIC FREQUENCY CONTROL WITH ADJACENT CHANNEL INTERFERENCE PROTECTION	BOTTOMLEY, GREGORY E.
08634719	6081566	150	04/19/1996	METHOD AND APPARATUS FOR ITNERFERENCE REJECTION WITH DIFFERENT BEAMS, POLARIZATIONS, AND PHASE REFERENCES	BOTTOMLEY, GREGORY E.
08636752	5796788	150	04/19/1996	METHOD AND APPARATUS FOR INTERFERENCE DECORRELATON IN TIME AND SPACE	BOTTOMLEY, GREGORY E.
08647187	5742678	150	05/09/1996	MULTIPLE ACCESS CODING FOR RADIO COMMUNICATIONS	BOTTOMLEY, GREGORY E.
08655930	6173014	150	05/31/1996	METHOD OF AND APPARATUS FOR INTERFERENCE REJECTION COMBINING AND DOWNLINK BEAMFORMING IN A CELLULAR RADIO COMMUNICATIONS SYSTEM	BOTTOMLEY, GREGORY E.
08689584	5822380	150	08/12/1996	APPARATUS AND METHOD FOR JOINT CHANNEL ESTIMATION	BOTTOMLEY, GREGORY E.
08740306	6473602	150	10/28/1996	MOBILE ASSISTED HANDOFF	BOTTOMLEY,

				IN RADIOCOMMUNICATION SYSTEMS	GREGORY E.
08748755	6005887	150	11/14/1996	DESPREADING OF DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATIONS SIGNALS	BOTTOMLEY, GREGORY E.
08761003	5909465	150	12/05/1996	METHOD AND APPARATUS FOR BIDIRECTIONAL DEMODULATION OF DIGITALLY MODULATED SIGNALS	BOTTOMLEY, GREGORY E.
08766081	5878093	150	12/16/1996	INTERFERENCE REJECTION COMBINING WITH FREQUENCY CORRECTION	BOTTOMLEY, GREGORY E.
08766167	5889827	150	12/12/1996	METHOD AND APPARATUS FOR DIGITAL SYMBOL DETECTION USING MEDIUM RESPONSE ESTIMATES	BOTTOMLEY, GREGORY E.
08773560	6335954	150	12/27/1996	METHOD AND APPARATUS FOR JOINT SYNCHRONIZATION OF MULTIPLE RECEIVE CHANNELS	BOTTOMLEY, GREGORY E.
08799590	5771288	150	02/10/1997	MULTIPLE ACCESS CODING FOR RADIO COMMUNICATIONS	BOTTOMLEY, GREGORY E.
08839860	6073005	150	04/22/1997	SYSTEMS AND METHODS FOR IDENTIFYING EMERGENCY CALLS IN RADIOCOMMUNICATION SYSTEMS	BOTTOMLEY, GREGORY E.
08839861	6826394	150	04/22/1997	INTERACTION BETWEEN AN ADJUNCT POSITIONING SYSTEM AND A RADIOCOMMUNICATION SYSTEM	BOTTOMLEY, GREGORY E.
08840590	6374098	150	04/22/1997	SYSTEMS AND METHODS FOR LOCATING REMOTE UNITS OPERATING IN A RADIOCOMMUNICATION SYSTEM USING AN ADJUNCT SYSTEM	BOTTOMLEY, GREGORY E.
08844883	6477362	150	04/22/1997	SYSTEM AND METHODS FOR PROVIDING INFORMATION TO EMERGENCY SERVICE CENTERS	BOTTOMLEY, GREGORY E.

08873126	6243428	150	06/11/1997	METHOD AND APPARATUS FOR BAND-ADAPTIVE DEMODULATION	BOTTOMLEY, GREGORY E.
08897309	6333953	150	07/21/1997	SYSTEM AND METHODS FOR SELECTING AN APPROPRIATE DETECTION TECHNIQUE IN A RADIOCOMMUNICATION SYSTEM	BOTTOMLEY, GREGORY E.
08899879	6195399	150	07/24/1997	METHOD AND APPARATUS FOR CONVERTING A WIDEBAND IF SIGNAL TO A COMPLEX (QUADRATURE) BASEBAND SIGNAL	BOTTOMLEY, GREGORY E.
08901693	6137843	150	07/28/1997	METHODS AND APPARATUS FOR CANCELING ADJACENT CHANNEL SIGNALS IN DIGITAL COMMUNICATIONS SYSTEMS	BOTTOMLEY, GREGORY E.
08901694	6108517	150	07/28/1997	METHODS AND APPARATUS FOR JOINT DEMODULATION OF ADJACENT CHANNEL SIGNALS IN DIGITAL COMMUNICATIONS SYSTEMS	BOTTOMLEY, GREGORY E.
08971341	6694154	150	11/17/1997	METHOD AND APPARATUS FOR PERFORMING BEAM SEARCHING IN A RADIO COMMUNICATION SYSTEM	BOTTOMLEY, GREGORY E.
08991770	6134260	150	12/16/1997	METHOD AND APPARATUS FOR FREQUENCY ACQUISITION AND TRACKING FOR DS-SS CDMA RECEIVERS	BOTTOMLEY, GREGORY E.
08996328	6154507	150	12/22/1997	SYSTEM AND METHOD FOR SIGNAL DEMODULATION	BOTTOMLEY, GREGORY E.
09001029	6147982	150	12/30/1997	SYSTEM AND METHOD FOR SYNCHRONIZING ACQUISITION FOR A CODE MODULATED COMMUNICATION SYSTEM	BOTTOMLEY, GREGORY E.
09065590	6282181	150	04/24/1998	PSEUDORANDOM NUMBER SEQUENCE GENERATION IN RADIOCOMMUNICATION SYSTEMS	BOTTOMLEY, GREGORY E.
09085528	6212368	150	05/27/1998	MEASUREMENT TECHNIQUES FOR DIVERSITY AND INTER-FREQUENCY MOBILE	BOTTOMLEY, GREGORY E.

				ASSISTED HANDOFF (MAHO)	
09143754	6487255	150	08/31/1998	INFORMATION GENERATION FOR COHERENT DEMODULATION OF DIFFERENTIALLY ENCODED SIGNALS	BOTTOMLEY, GREGORY E.
09143821	6304618	150	08/31/1998	METHODS AND SYTEMS FOR REDUCING CO-CHANNEL INTERFERENCE USING MULTIPLE TIMINGS FOR A RECEIVED SIGNAL	BOTTOMLEY, GREGORY E.
09152063	6917629	150	09/11/1998	RATE DETECTION IN RADIO COMMUNICATION SYSTEMS	BOTTOMLEY, GREGORY E.
09164600	6426978	150	10/01/1998	DIGITAL COMMUNICATION SYSTEMS AND METHODS FOR DIFFERENTIAL AND/OR AMPLITUDE ENCODING AND DECODING SECONDARY SYMBOLS	BOTTOMLEY, GREGORY E.
09165647	6363104	150	10/02/1998	METHOD AND APPARATUS FOR INTERFERENCE CANCELLATION IN A RAKE RECEIVER	BOTTOMLEY, GREGORY E.
09168233	6560273	150	10/07/1998	DELAY SEARCHER AND DELAY TRACKERS INTERACTION FOR NEW DELAYS ASSIGNMENT TO RAKE FINGERS	BOTTOMLEY, GREGORY E.
09181203	6574293	150	10/28/1998	RECEIVERS AND METHODS FOR REDUCING INTERFERENCE IN RADIO COMMUNICATIONS	BOTTOMLEY, GREGORY E.
09193583	6421371	150	11/17/1998	MODULATION SEQUENCE SYNCHRONIZATION METHODS AND APPARATUS EMPLOYING PARTIAL SEQUENCE CORRELATION	BOTTOMLEY, GREGORY E.

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